



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

A.R.C.

D350-591-311
Job Sheet 198858



Part No: D350-591-311

Job Qty: 10 pcs

Part Name: Heli-Access-Step™ LH - High Gear, Long Step, Aerazur Float Compatible



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 8/7/19

Job Tracking No:

Due Date: 10/17/19

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG REV B IPP Rev:A 04.03.22 New issue KJ/RF IPP Rev:B 07-06-09 Added D3272-1 JLM IPP C returned to CHG001 for Eurocopter, ref NCR08-082 LL verified by:EC IPP Rev:D fixe route seq in born DD 10.04.28 verified by:EC

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Large Fab - Steps - 1	10 pcs	10/17/19		0.00	9.91	Large Fab - 1		
							Large Fab - 10		
							Large Fab - 2		
							Large Fab - 3		
							Large Fab - 4		
							Large Fab - 5		
							Large Fab - 6		
							Large Fab - 7		
							Large Fab - 8		
							Large Fab - 9		
							Large Fab - 11 (Various)		
120	QC 9	10 pcs	10/17/19		0.00	0.00	QC 9 - 10		DAS 43 9-89
							QC 9 - 18		
							QC 9 - 24		
							QC 9 - 43		
							QC 9 - 50		
							QC 9 - 9		
130	QC 5	10 pcs	10/17/19		0.00	0.00	QC 5 - 10		DAS 43 9-89
							QC 5 - 12		
							QC 5 - 17		
							QC 5 - 18		
							QC 5 - 19		
							QC 5 - 22		
							QC 5 - 24		
							QC 5 - 3		
							QC 5 - 43		
							QC 5 - 49		
							QC 5 - 51		
							QC 5 - 58		
							QC 5 - 68		

Plex 8/7/19 7:29 AM Dart.lajeunesse.marie

140 Handfinish - 1-1 Chemical-B4B	10 pcs	10/17/19	0.00 1.84	QC 5 - 9	
				QC 5 - 50	
				QC 5 - 30	
				QC 5 - 40	
				QC 5 - 61	
				QC 5 - 81	
				Handfinish - 1 - 1 - B4B	
				Handfinish - 1 - 2 - B4B	
				Handfinish - 1 - 3 - B4B	SEP 23 2019
				Handfinish - 1 - 4 - B4B	
				Handfinish - 1 - 5 - B4B	
				Handfinish - 1 - 6 - B4B	
				Handfinish - 1 - 7 - B4B	
				Handfinish - 1 - 8 - B4B	
				Handfinish - 1 - 9 - B4B	
				Handfinish - 1 - 10 - B4B	
				Handfinish - 1 - 11 - B4B	
				Handfinish - 1 - 12 - B4B	
				Handfinish - 1 - 13 - B4B	
				Handfinish - 1 - 14 - B4B	
				Handfinish - 1 - 15 - B4B	
				Handfinish - 1 - 16 - B4B	
				Handfinish - 1 - 17 - B4B	
				Handfinish - 1 - 18 - B4B	
				Handfinish - 1 - 19 - B4B	
				Handfinish - 1 - 20 - B4B	
				Handfinish - 1 - 21 - B4B	
				Handfinish - 1 - 22 - B4B	
150 QC 7	10 pcs	10/17/19	0.00 0.00	QC 7 - 10	
				QC 7 - 13	
				QC 7 - 14	
				QC 7 - 15	
				QC 7 - 17	
				QC 7 - 18	
				QC 7 - 19	
				QC 7 - 2	
				QC 7 - 28	
				QC 7 - 3	
				QC 7 - 30	
				QC 7 - 34	
				QC 7 - 36	
				QC 7 - 37	
				QC 7 - 41	
				QC 7 - 47	
				QC 7 - 48	
				QC 7 - 51	
				QC 7 - 58	
				QC 7 - 59	
				QC 7 - 60	
				QC 7 - 9	
				QC 7 - 68	
				QC 7 - 50	
				QC 7 - 67	
				QC 7 - 40	
				QC 7 - 24	
				QC 7 - 43	DAS
				QC 7 - 61	43
				QC 7 - 81	9-59
180 Large Fab - Steps - 2 - B4B	10	10/17/19	0.00 9.91	Large Fab - 1 - B4B	

				pcs		Large Fab - 10 - B4B	
						Large Fab - 2 - B4B	
						Large Fab - 3 - B4B	
						Large Fab - 4 - B4B	
						Large Fab - 5 - B4B	
						Large Fab - 6 - B4B	
						Large Fab - 7 - B4B	
						Large Fab - 8 - B4B	
						Large Fab - 9 - B4B	
						Large Fab - 11 - B4B (Various)	
190 QC 10	10 pcs	10/17/19	0.00 0.00			QC 10 - 10	
						QC 10 - 18	
						QC 10 - 24	
						QC 10 - 43	
						QC 10 - 50	
						QC 10 - 58	
						QC 10 - 9	
200 QC 5	10 pcs	10/17/19	0.00 0.00			QC 5 - 10	
						QC 5 - 12	
						QC 5 - 17	
						QC 5 - 18	
						QC 5 - 19	
						QC 5 - 22	
						QC 5 - 24	
						QC 5 - 3	
						QC 5 - 43	
						QC 5 - 49	
						QC 5 - 51	
						QC 5 - 58	
						QC 5 - 68	
						QC 5 - 9	
						QC 5 - 50	
						QC 5 - 30	
						QC 5 - 40	
210 Handfinish - 1-2- Chemical- B4B	10 pcs	10/17/19	0.00 1.84			QC 5 - 61	
						QC 5 - 81	
						Handfinish - 1 - 1 - B4B	
						Handfinish - 1 - 2 - B4B	
						Handfinish - 1 - 3 - B4B	
						Handfinish - 1 - 4 - B4B	
						Handfinish - 1 - 5 - B4B	
						Handfinish - 1 - 6 - B4B	
						Handfinish - 1 - 7 - B4B	
						Handfinish - 1 - 8 - B4B	
						Handfinish - 1 - 9 - B4B	
						Handfinish - 1 - 10 - B4B	
						Handfinish - 1 - 11 - B4B	
						Handfinish - 1 - 12 - B4B	
						Handfinish - 1 - 13 - B4B	
						Handfinish - 1 - 14 - B4B	
						Handfinish - 1 - 15 - B4B	
						Handfinish - 1 - 16 - B4B	
						Handfinish - 1 - 17 - B4B	
						Handfinish - 1 - 18 - B4B	
						Handfinish - 1 - 19 - B4B	
						Handfinish - 1 - 20 - B4B	
						Handfinish - 1 - 21 - B4B	
						Handfinish - 1 - 22 - B4B	

220 Powdercoat - 1 White GI(A)- B4B	10 pcs	10/17/19	0.00 2.90	Powdercoat - 1 - B4B	
				Powdercoat - 2 - B4B	
				Powdercoat - 3 - B4B	
				Powdercoat - 4 - B4B	
230 Handfinish - 3-1- WingWalk- B4B	10 pcs	10/17/19	0.00 1.84	Handfinish - 3 - 1 - B4B	
				Handfinish - 3 - 2 - B4B	
				Handfinish - 3 - 3 - B4B	
				Handfinish - 3 - 4 - B4B	
				Handfinish - 3 - 5 - B4B	
240 QC 3	10 pcs	10/17/19	0.00 0.00	QC 3 - 10	
				QC 3 - 13	
				QC 3 - 15	
				QC 3 - 17	
				QC 3 - 18	
				QC 3 - 2	
				QC 3 - 28	
				QC 3 - 3	
				QC 3 - 30	
				QC 3 - 34	
				QC 3 - 36	
				QC 3 - 41	
				QC 3 - 51	
				QC 3 - 58	
				QC 3 - 59	
				QC 3 - 68	
				QC 3 - 9	
				QC 3 - 40	
				QC 3 - 19	
250 Packaging 1-1 - Pick Kit - B4B	10 pcs	10/17/19	0.00 0.00	QC 3 - 43	
				QC 3 - 24	
				QC 3 - 61	
				QC 3 - 81	
				Packaging 1 - 1 - B4B	
				Packaging 1 - 2 - B4B	
				Packaging 1 - 3 - B4B	
				Packaging 1 - 4 - B4B	
				Packaging 1 - 5 - B4B	
				Packaging 1 - 6 - B4B	
				Packaging 1 - 7 - B4B	
				Packaging 1 - 8 - B4B	
				Packaging 1 - 9 - B4B	
				Packaging 1 - 10 - B4B	
				Packaging 1 - 11 - B4B	
				Packaging 1 - 12 - B4B	
				Packaging 1 - 13 - B4B	
				Packaging 1 - 14 - B4B	
				Packaging 1 - 15 - B4B	
				Packaging 1 - 16 - B4B	
				Packaging 1 - 17 - B4B	
				Packaging 1 - 18 - B4B	
				Packaging 1 - 19 - B4B	
				Packaging 1 - 20 - B4B	
				Packaging 1 - 21 - B4B	
				Packaging 1 - 22 - B4B	
				Packaging 1 - 23 - B4B	
				Packaging 1 - 24 - B4B	
				Packaging 1 - 25 - B4B	
				Packaging 1 - 26 - B4B	
				Packaging 1 - 27 - B4B	

BIB 19-9-30

BEB 19-09-30

DAS
81
9-89

OCT 03 2019

PC

OCT 07 2019

260 QC 4	10 pcs	10/17/19	0.00 0.00	Packaging 1 - 28 - B4B	
				Packaging 1 - 29 - B4B	
				Packaging 1 - 30 - B4B	
				Packaging 1 - 31 - B4B	
				Packaging 1 - 32 - B4B	
				Packaging 1 - 33 - B4B	
				Packaging 1 - 34 - B4B	
				Packaging 1 - 35 - B4B	
				Packaging 1 - 36 - B4B	
				QC 4 - 28	
				QC 4 - 58	
				QC 4 - 69	
				QC 4 - 9	
				QC 4 - 46	
				QC 4 - 68	
				QC 4 - 72	
				QC 4 - 74	DAS 78 9-89
				QC 4 - 75	
				Packaging 3 - 1 - B4B	
270 Packaging 3-1 - Stock - B4B	10 pcs	10/17/19	0.00 0.00	Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	DAS 78 9-89
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
275 DC - 1 - B4B	10 pcs	10/17/19	0.00 0.00	DC - 1 - B4B	OCT 07 2019 DAS 21 9-89
				DC - 2 - B4B	
280 QC 21 - FG	10 pcs	10/17/19	0.00 0.00	QC 21 - FG - 21	OCT 07 2019 DAS 21 9-89
				QC 21 - FG - 70	
				QC 21 - FG - 53	

10/7
201910/7/1
2019

PKG

012293

Part Op 110 - (Weld per dwg A/R Aluminum rod Batch: _____) 1-Bevel end for welding FWD ONLY 2-Weld Support using Jig
 Descriptions: DT8719, weld Fwd End Plate as per QSI 004 & Dwg D3272 A/R Aluminum Rod _____ 3-Grind End Plate flush
 120 - (QC9- Inspect visual per QSI004- Fusion Welds)
 130 - (QC5- Inspect part completeness to step on W/O)
 140 - (Chemical Conversion Coat per QSI005 4.1)
 150 - (QC7-Inspect Chemical Conversion Coat)
 180 - (Weld per dwg A/R Aluminum rod Batch: _____) 1-Assemble Leg Assembly as per Dwg D3272. 2-Leave one rivet out until welding is complete. 3-Bevel Aft end for welding 4-Inspect for foreign object as per QSI 024 5-Weld Aft End Plate as per QSI 004 & Dwg D3272 A/R Aluminum Rod _____ 6-Grind End Plate flush 7-Install last rivet as per Dwg.
 190 - (QC10- Inspect visual per QSI004- ground welds)
 200 - (QC5- Inspect part completeness to step on W/O)
 210 - (Chemical Conversion Coat per QSI005 4.1)
 220 - (White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum) START TIME: 9:15 OVEN TEMPERATURE: 320°
 FINISH TIME: 9:45 M198459; 209862
 230 - (Wing Walk as per dwg QSI005 4.4 Batch _____)
 240 - (QC3- Inspect Part Finish)
 250 - (Pick Kit)
 260 - (QC4- 100% Inspect kits for completeness)
 270 - (Identify as per dwg & Stock Location: _____) Identify and pack for shipping as per PPPD350-591-311 Location : FG109
 275 - (Document Control) Photocopy bluefile and type labels as per PPP D350-591-311 CHG001
 280 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
D3067-1	End Plate	20 pcs (2 ea)	110-Large Fab - Steps - 1	8198236
D3219-1	Plate	20 pcs (2 ea)	110-Large Fab - Steps - 1	8198236
D3272-1	Step	10 pcs (1 ea)	110-Large Fab - Steps - 1	8198236
D3065-041	Step Leg Assembly	10 pcs (1 ea)	180-Large Fab - Steps - 2 - B4B	8198236
D3066-1	Spacer	20 pcs (2 ea)	180-Large Fab - Steps - 2 - B4B	8198236
MS20600-AD4W4	Rivet	160 Ea (16 ea)	180-Large Fab - Steps - 2 - B4B	8198236
AN3-35A	Bolt	20 Ea (2 ea)	250-Packaging 1-1 - Pick Kit - B4B	8198236
AN4-13A	Bolt	80 Ea (8 ea)	250-Packaging 1-1 - Pick Kit - B4B	8198236
AN5-36A	Bolt	20 Ea (2 ea)	250-Packaging 1-1 - Pick Kit - B4B	8198236
D2230-3	Mounting Lug	40 pcs (4 ea)	250-Packaging 1-1 - Pick Kit - B4B	8198236
D2618	Bushing	20 pcs (2 ea)	250-Packaging 1-1 - Pick Kit - B4B	8198236
D2856-400-720	Abrasion Strip 4" X 7.20"	20 pcs (2 ea)	250-Packaging 1-1 - Pick Kit - B4B	8198236
D3235-1	Mounting Lug	20 pcs (2 ea)	250-Packaging 1-1 - Pick Kit - B4B	8198236
D3278-041	Support Assembly	10 pcs (1 ea)	250-Packaging 1-1 - Pick Kit - B4B	8198236
MS21042L3	Nut	20 Ea (2 ea)	250-Packaging 1-1 - Pick Kit - B4B	8198236
MS21042L4	Nut	80 Ea (8 ea)	250-Packaging 1-1 - Pick Kit - B4B	8198236
MS21042L5	Nut	20 Ea (2 ea)	250-Packaging 1-1 - Pick Kit - B4B	8198236
NAS1149D0363J	Washer	40 Ea (4 ea)	250-Packaging 1-1 - Pick Kit - B4B	8198236
NAS1149D0463J	Washer	160 Ea (16 ea)	250-Packaging 1-1 - Pick Kit - B4B	8198236
NAS1149D0563J	Washer	40 Ea (4 ea)	250-Packaging 1-1 - Pick Kit - B4B	8198236

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
110-Large Fab - Steps - 1	D3067-1	20	203	0
	D3219-1	20	95	0
	D3272-1	10	10	0
	D3065-041	10	23	0
180-Large Fab - Steps - 2 - B4B	D3066-1	20	257	0
	MS20600-AD4W4	160	1,408	0
	AN3-35A	20	324	0
	AN4-13A	80	1,260	0
250-Packaging 1-1 - Pick Kit - B4B	AN5-36A	20	219	0
	D2230-3	40	648	0
	D2618	20	208	0
	D2856-400-720	20	24	0
	D3235-1	20	287	0
	D3278-041	10	10	0
	MS21042L3	20	685	0
	MS21042L4	80	3,035	0
	MS21042L5	20	387	0
	NAS1149D0363J	40	1,694	0
	NAS1149D0463J	160	4,174	0
	NAS1149D0563J	40	2,029	0
Part Specifications				
Specifications could not be found.				

Plex 8/7/19 7:29 AM Dart.lajeunesse.marie



Entered: _____ Date: _____

WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

Route update only

NCR No. _____

Job: _____

Part No. _____

DISPOSITION

Rework ☐
Scrap ☐
Use-as-is ☐

DEPARTMENT/PROCESS

Cross tube ☐
Small Fab ☐
Finishing ☐

Eng. (Non-AW) ☐
Prod. Eng. Coord. ☐
Rec/Store/Packaging ☐

Engineering ☐
Water Jet ☐
Supplier ☐
Quality ☐

Date: _____

Sequence #: _____

QTY Affected: _____

MRB (QSI042)

Description Work Order Deviation

Disposition

Completed By _____

Lead hand / Supervisor _____

QC / QA Coordinator _____

Root Cause

Operator ☐
Manufacturing Process ☐
Equip/Tooling ☐
Handling/Preservation ☐
Material ☐
Product Improvement ☐
Process Improvement ☐
Human Factors ☐

FAULT CATEGORY

Pressure/Forced	Contamination	Power Loss/Surge	Positioned Wrong
☐	☐	☐	☐
Bending	Misaligned/off center	Folio/Program	Outside Tolerance
☐	☐	☐	☐
Crushing	BOM/Route	Grain Direction	Drawing
☐	☐	☐	☐
Cracks	Broken/Damage/Defect	Weld	Finish
☐	☐	☐	☐
Crimp/Kink/Ripple/Wave/Twist	Incomplete/Unclear Instructions	Wrong Stock Pulled	Part Lost/Missing
☐	☐	☐	☐
Marks/Chatter	Drill Holes	Out of Sequence	Misread
☐	☐	☐	☐
Mislabeled	Fit/Function	Off-set/Set-up	
☐	☐	☐	

Other/Details: _____

Qty -213	Qty -214	Qty -215	Qty -216	Qty -311	Qty -312	Part Number	Description
X						D350-591-213	Hel-Access-Step™, Short Step – High Skid, LH
	X					D350-591-214	Hel-Access-Step™, Short Step – High Skid, RH
		X				D350-591-215	Hel-Access-Step™, Short Step – Low Skid, LH
			X			D350-591-216	Hel-Access-Step™, Short Step – Low Skid, RH
				X		D350-591-311	Hel-Access-Step™, Long Step – High Skid, LH
					X	D350-591-312	Hel-Access-Step™, Long Step – High Skid, RH
1						D3078-041	STEP ASSEMBLY (HIGH-SHORT, LH)
	1					D3078-042	STEP ASSEMBLY (HIGH-SHORT, RH)
		1				D3168-041	STEP ASSEMBLY (LOW-SHORT, LH)
			1			D3168-042	STEP ASSEMBLY (LOW-SHORT, RH)
				1		D3272-041	STEP ASSEMBLY (HIGH-LONG, LH)
					1	D3272-042	STEP ASSEMBLY (HIGH-LONG, RH)
2	2	2	2	4	4	D2230-3	MOUNTING LUG
2	2	2	2	2	2	D2618	BUSHING
4	4	4	4			D2732-030	CUSHION
				2	2	D2856-400-720	ABRASION STRIP
2	2	2	2	2	2	D3235-1	MOUNTING LUG
				1	1	D3278-041	SUPPORT ASSEMBLY
2	2	2	2	2	2	AN3-35A	BOLT
				8	8	AN4-13A	BOLT
4	4	4	4			AN4-15A	BOLT
2	2	2	2	2	2	AN5-36A	BOLT
4	4	4	4	4	4	NAS1149D0363J	WASHER (AN960JD10)
12	12	12	12	16	16	NAS1149D0463J	WASHER (AN960JD416)
4	4	4	4	4	4	NAS1149D0563J	WASHER (AN960JD516)
2	2	2	2	2	2	MS21042L3	NUT
6	6	6	6	8	8	MS21042L4	NUT
2	2	2	2	2	2	MS21042L5	NUT
				1	1	*DSI 9410-011	STEP MODIFICATION KIT

*DSI 9410-011 Step Modification Kits are provided with all D350-591-311 and D350-591-312 Steps. This kit is provided as an option for the installer and is therefore **NOT REQUIRED** to complete the installation of the D350-591-311 or D350-591-312 Steps. Refer to Figure 15 for installation of the DSI 9410-011 Kit.